

OFFICIAL
7/31/00
WD

PATENT

Attorney Docket No. HMV-006.11

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Philip W. Ingham et al.

Art Unit: 1646

Serial No.: 08/954,771

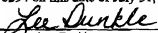
Examiner: M. Brannock

Filing Date: October 20, 1997

For: *Vertebrate Embryonic Pattern Inducing
Proteins and Uses Related Thereto*Assistant Commissioner for Patents
Washington, D.C. 20231#21/G
Plunkett
8/1/00

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this Response is being submitted by facsimile transmission
to the Assistant Commissioner for Patents/Office of Examiner M. Brannock
(703) 308-0294 on this date of July 31, 2000.


Lee DunkleFourth Preliminary Amendment

Sir:

Prior to Examination of this application, please amend the claims as follows:

IN THE CLAIMS:

Please cancel claims ~~94-95~~, and ~~101~~, and amend the following claims:

615 1. (Twice Amended) A method for [modulating] promoting one or more of growth,
differentiation and survival of neuronal cells, comprising contacting said cells with an effective
amount of a *hedgehog* polypeptide.

62 96. (Amended) The method of claim 1, wherein said polypeptide includes an [*hedgehog*] amino
acid sequence encoded by a naturally occurring vertebrate *hedgehog* gene.